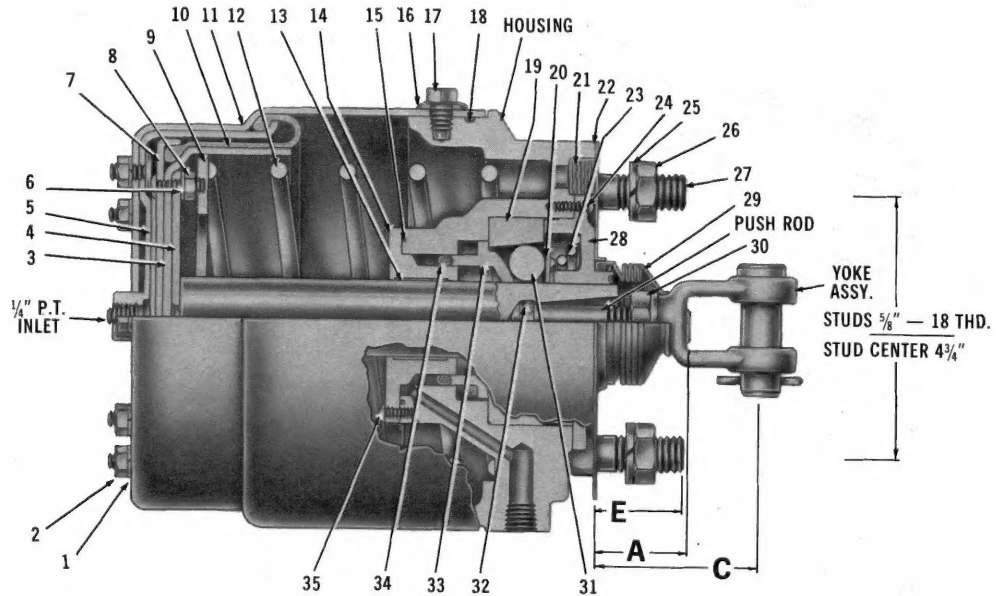
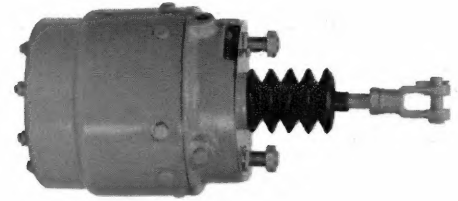


## SD-3 ROTO SAFETY ACTUATOR TYPE 36

The SD-3 Roto Safety Actuator is basically a rotochamber. It includes all the same features plus a mechanical locking mechanism for parking. The SD-3 is generally found on off-highway vehicles. It provides the three basic functions of: Service and emergency braking and parking.

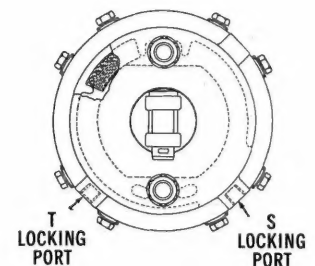
For installation and maintenance information, see Instruction and Service Data Sheet, SD-40.



MAINTENANCE KIT FOR  
SD-3 ROTO S.A. IS  
PC. NO. 281952.

NO.	PC. NO.	QUAN.	DESCRIPTION	NO.	PC. NO.	QUAN.	DESCRIPTION
1	202982	8	LOCK WASHER	18	240537	1	HOUSING O RING, 6 $\frac{3}{4}$ " O.D.
2	203145	8	NUT	19	243686	1	COLLAR
3	231536	1	DIAPHRAGM GUIDE	20	243688	1	WASHER
4	278901	1	SHAFT	21	243725	1	FELT
5	222259	1	OUTER DIAPHRAGM CLAMP	22	243694	1	SPLASH GUARD
6	202981	8	LOCK WASHER	23	243689	1	ROLLER SPRING
7	277830	1	INNER DIAPHRAGM CLAMP	24	243683	4	#10-24 RD. HD. MACH. SCREW & WASHER
8	203147	8	NUT	25	202986	2	LOCK WASHER
9	243677	1	SPRING SEAT	26	204781	2	NUT
10	231534	1	DIAPHRAGM	27	243693	2	STUD
11	231533	1	BODY	28	278906	1	CAP
12	243678	1	RETURN SPRING	29	243727	1	BOOT
13	243681	1	BEARING	30	204781	1	NUT
14	243680	1	COVER	31	243687	8	ROLLER
15	243682	1	COVER O RING, 3" O.D.	32	241993	1	RETAINING RING
16	245041	8	SEALING WASHER	33	243685	1	PISTON
17	244357	8	CAP SCREW	34	243684	1	PISTON O RING, 2 $\frac{3}{4}$ " O.D.
				35	243683	4	#10-24 RD. HD. MACH. SCREW & WASHER

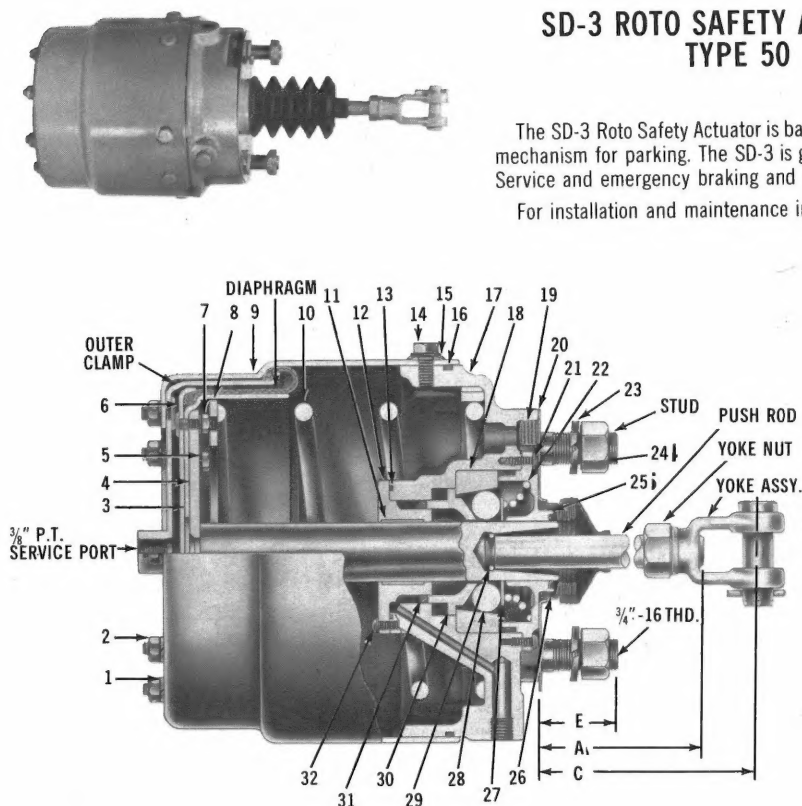
SD3 ROTO SAFETY ACTUATOR (TYPE 36) PC. NO.	HOUSING PC. NO.	PUSH ROD PC. NO.	YOKE ASSY. PC. NO.	A ROD END TO PLATE	C YOKE PIN TO PLATE	E STUD END TO PLATE	LOCKING PORT	
							S P.T.	T P.T.
278905	243698	242398	229496	1 $\frac{1}{16}$ "	3"	1 $\frac{9}{16}$ "	$\frac{1}{4}$ "	—
278907	243698	241992	228790	10 $\frac{7}{16}$ "	11 $\frac{9}{16}$ "	1 $\frac{9}{16}$ "	$\frac{1}{4}$ "	—
279016	243700	242398	229496	1 $\frac{1}{16}$ "	3"	1 $\frac{9}{16}$ "	—	$\frac{1}{4}$ "
279017	243700	241992	228790	10 $\frac{7}{16}$ "	11 $\frac{9}{16}$ "	1 $\frac{9}{16}$ "	—	$\frac{1}{4}$ "
279813	244604	242398	278449	1 $\frac{1}{16}$ "	2 $\frac{3}{4}$ "	1 $\frac{9}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "



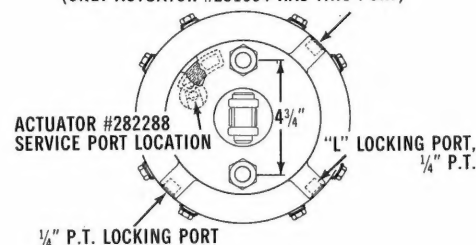
## SD-3 ROTO SAFETY ACTUATOR TYPE 50

The SD-3 Roto Safety Actuator is basically a rotochamber. It includes all the same features plus a mechanical locking mechanism for parking. The SD-3 is generally found on off-highway vehicles. It provides the three basic functions of: Service and emergency braking and parking.

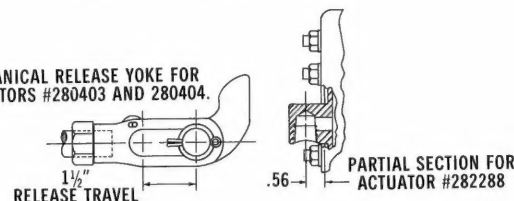
For installation and maintenance information, see Instruction and Service Data Sheet, SD-40.



"M" LOCKING PORT, 1/4" P.T.  
(ONLY ACTUATOR #281594 HAS THIS PORT)



MECHANICAL RELEASE YOKE FOR  
ACTUATORS #280403 AND 280404.



MAINTENANCE KIT FOR SD-3 ROTO S.A.  
IS PC. NO. 282351.

NO.	PC. NO.	QUAN.	DESCRIPTION	NO.	PC. NO.	QUAN.	DESCRIPTION
1	202982	8	LOCKWASHER	17	244122	1	HOUSING
2	203145	8	NUT	18	243686	1	COLLAR
3	231494	1	DIAPHRAGM GUIDE	19	243725	1	FELT
4	279343	1	SHAFT	20	244128	1	SPLASH GUARD
5	202981	8	LOCKWASHER	21	243683	4	10-24 SCREW AND WASHER
6	280523	1	INNER DIAPHRAGM CLAMP	22	243689	1	ROLLER SPRING
7	203147	8	NUT	23	202987	2	3/4\"/>

SD3 ROTO SAFETY ACTUATOR (TYPE 50) PC. NO.	PUSH ROD PC. NO.	YOKE ASSY. PC. NO.	YOKE NUT PC. NO.	DIAPHRAGM		OUTER CLAMP PC. NO.	STUD (2 REQ'D.) PC. NO.	A ROD END TO PLATE INCHES	C YOKE PIN TO PLATE INCHES	E STUD END TO PLATE INCHES
				S.B.R. RUBBER	NEOPRENE					
279255	244134	282592	203008	231491	—	222233	244126	3 1/8	4 3/8	1 7/8
279342	244124	—	—	231491	—	222233	244126	10 9/16	—	1 7/8
280423	244997	282592	203008	231491	—	222233	244126	4 3/16	5 1/2	1 7/8
280403	244984	280398	203008	231491	—	222233	244126	3 3/16	5 1/2	1 7/8
280404	244985	280398	203008	231491	—	222233	244126	5 1/16	7 3/8	1 7/8
280703	245277	282592	203008	231491	—	222233	244126	6 1/8	7 3/8	1 7/8
280782	245353	282592	203008	231491	—	222233	244126	8 1/8	9 1/2	1 7/8
A281594	244134	—	—	231491	—	222233	244126	3 3/8	—	1 7/8
281595	246032	282592	203008	231491	—	222233	244126	2 1/2	3 11/16	1 7/8
281716	244985	—	—	—	236531	222233	244126	5 1/16	—	1 7/8
281666	244985	282592	203008	231491	—	222233	244126	5 1/16	6 1/4	1 7/8
281667	246400	282592	203008	231491	—	222233	244126	11 9/16	12 3/4	1 7/8
282288	246032	282592	203008	231491	—	282339	244126	2 1/2	3 13/16	1 7/8
282465	244134	282592	203008	231491	—	222233	244858	3 1/8	4 3/8	2 5/8

A — SUBSTITUTE HOUSING 246030 FOR ITEM #17. THIS HOUSING HAS L AND M LOCKING PORTS ONLY.

SD-3 ROTO S.A. (50) NOT AVAILABLE  
IN REMFR. EXCH.